Page 1 06:57 <golam shameem> 02/26/2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1626gms

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS 4	DEC 08	INPADOC: Legal Status data reloaded
NEWS 5	SEP 29	DISSABS now available on STN
NEWS 6	OCT 10	PCTFULL: Two new display fields added
NEWS 7	OCT 21	BIOSIS file reloaded and enhanced
NEWS 8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9	NOV 24	MSDS-CCOHS file reloaded
NEWS 10	DEC 08	CABA reloaded with left truncation
NEWS 11	DEC 08	IMS file names changed
NEWS 12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS 13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14	DEC 17	DGENE: Two new display fields added
NEWS 15	DEC 18	BIOTECHNO no longer updated
NEWS 16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS 17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19	DEC 22	ABI-INFORM now available on STN
NEWS 20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22	FEB 05	German (DE) application and patent publication number format changes

NEWS EXPRESS	DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:52:23 ON 26 FEB 2004

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 06:52:38 ON 26 FEB 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 FEB 2004 HIGHEST RN 654050-72-3
DICTIONARY FILE UPDATES: 24 FEB 2004 HIGHEST RN 654050-72-3

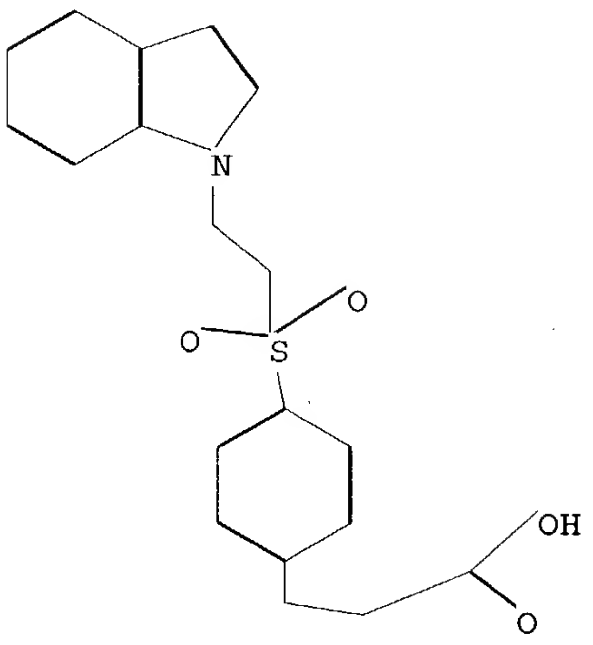
TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

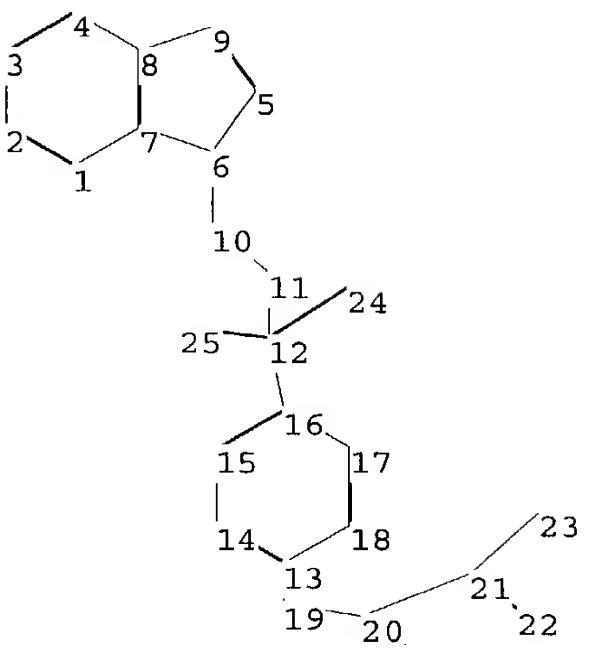
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\09677021.str





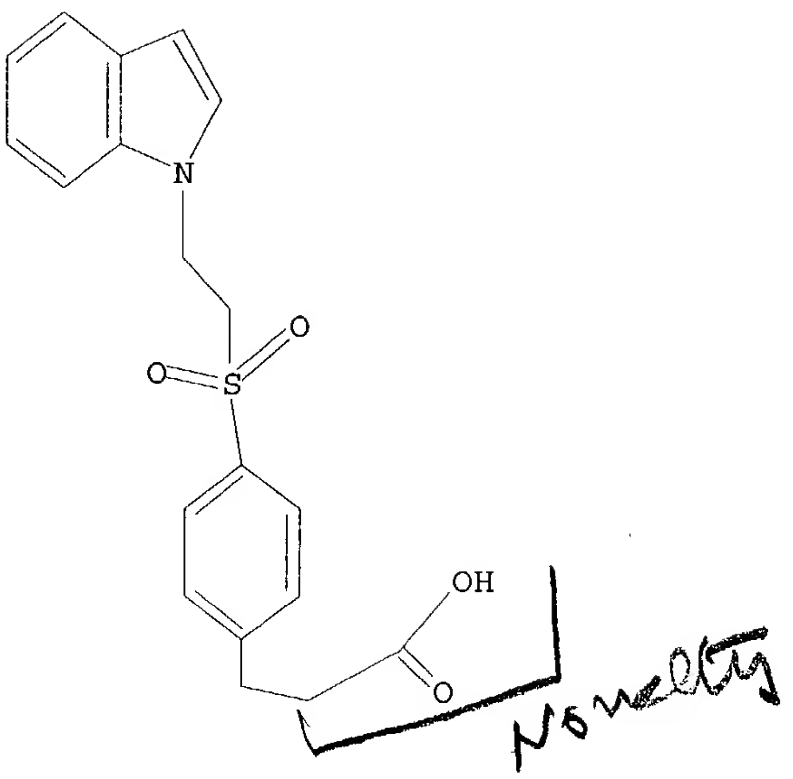
chain nodes :
10 11 12 19 20 21 22 23 24 25
ring nodes :
1 2 3 4 5 6 7 8 9 13 14 15 16 17 18
chain bonds :
6-10 10-11 11-12 12-16 12-24 12-25 13-19 19-20 20-21 21-22 21-23
ring bonds :
1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17
17-18
exact/norm bonds :
5-6 6-7 6-10 11-12 12-16 12-24 12-25
exact bonds :
5-9 8-9 10-11 13-19 19-20 20-21
normalized bonds :
1-2 1-7 2-3 3-4 4-8 7-8 13-14 13-18 14-15 15-16 16-17 17-18 21-22
21-23
isolated ring systems :
containing 1 : 13 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

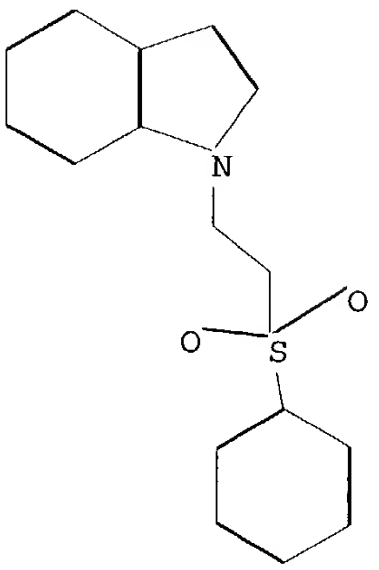
09677021

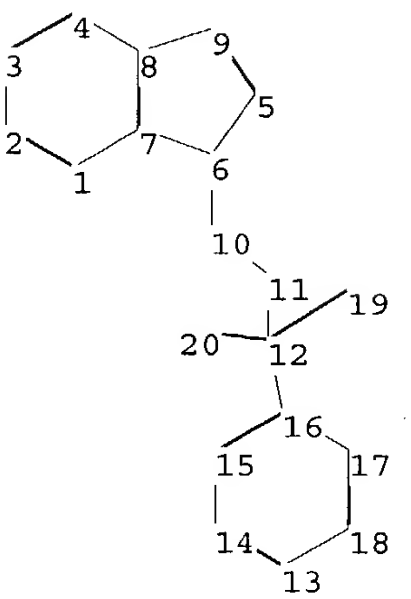


Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 06:52:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      2 TO ITERATE

100.0% PROCESSED        2 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             2 TO       124
PROJECTED ANSWERS:                0 TO         0

L2             0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 06:53:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     61 TO ITERATE

100.0% PROCESSED       61 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L3             0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\09677021a.str
```

09677021





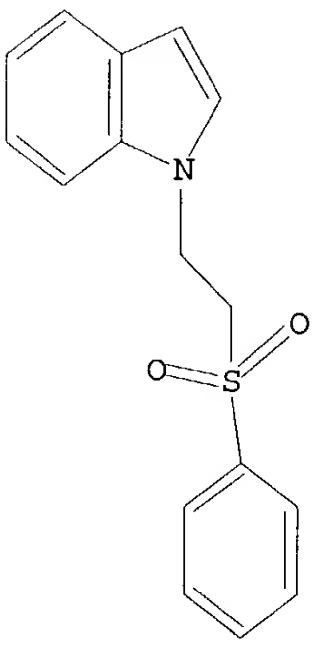
chain nodes :
10 11 12 19 20
ring nodes :
1 2 3 4 5 6 7 8 9 13 14 15 16 17 18
chain bonds :
6-10 10-11 11-12 12-16 12-19 12-20
ring bonds :
1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17
17-18
exact/norm bonds :
5-6 6-7 6-10 11-12 12-16 12-19 12-20
exact bonds :
5-9 8-9 10-11
normalized bonds :
1-2 1-7 2-3 3-4 4-8 7-8 13-14 13-18 14-15 15-16 16-17 17-18
isolated ring systems :
containing 1 : 13 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR

09677021



Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 06:54:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      10 TO ITERATE

100.0% PROCESSED       10 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            11 TO       389
PROJECTED ANSWERS:                0 TO         0

L5             0 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 06:54:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     186 TO ITERATE

100.0% PROCESSED     186 ITERATIONS                      16 ANSWERS
SEARCH TIME: 00.00.01

L6            16 SEA SSS FUL L4

=> FIL CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             311.26     311.47

FILE 'CAPLUS' ENTERED AT 06:54:33 ON 26 FEB 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```

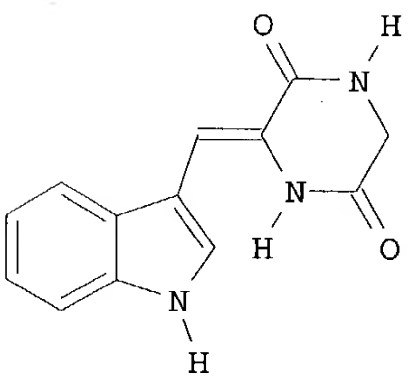
FILE COVERS 1907 - 26 Feb 2004 VOL 140 ISS 9
FILE LAST UPDATED: 25 Feb 2004 (20040225/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

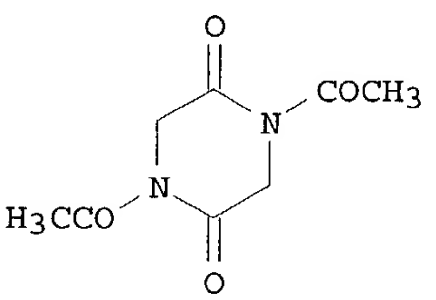
=> s l6
L7 7 L6

=> d l7 ibib abs hitstr tot

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:713297 CAPLUS
DOCUMENT NUMBER: 138:4442
TITLE: Synthesis of the diketopiperazine dipodazine
AUTHOR(S): Johnson, Ann-Louise; Janosik, Tomasz; Bergman, Jan
CORPORATE SOURCE: Unit for Oranic Chem., Dept. of Biosciences, Karolinska Inst., Huddinge, SE-141 57, Swed.
SOURCE: ARKIVOC (Gainesville, FL, United States) [online computer file] (2002), (8), 57-61
CODEN: AGFUAR
URL: http://www.arkat-usa.org/ark/journal/2002/Padwa/AP-504H/AP-504H.pdf
PUBLISHER: Arkat USA Inc.
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:4442
GI



I



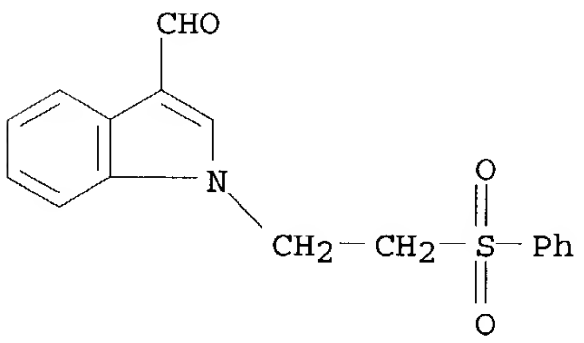
II

AB The diketopiperazine derivative dipodazine (I), isolated from Penicillium dipodomyis, has been synthesized via a stereoselective aldol condensation from N-protected indole-3-carboxaldehyde and 1,4-diacetyl-2,5-piperazinedione (II) in the presence of cesium carbonate.

IT **477251-70-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of the diketopiperazine dipodazine)

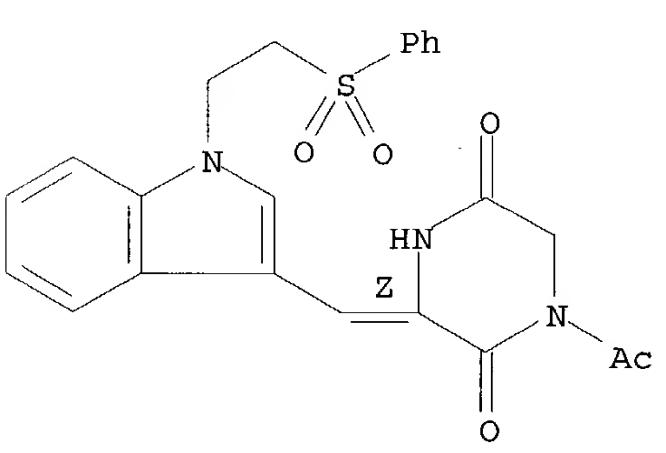
09677021

RN 477251-70-0 CAPLUS
CN 1H-Indole-3-carboxaldehyde, 1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



IT **477251-71-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of the diketopiperazine dipodazine)
RN 477251-71-1 CAPLUS
CN 2,5-Piperazinedione, 1-acetyl-3-[[1-[2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



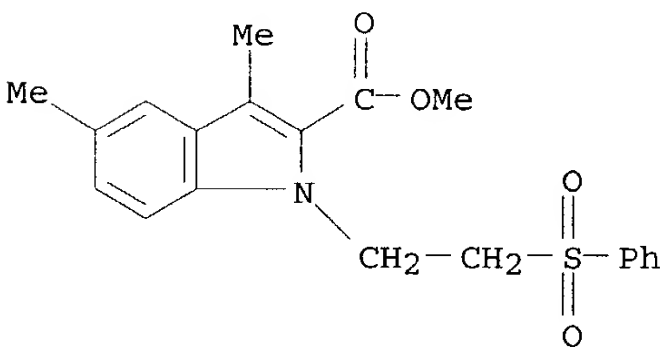
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:517335 CAPLUS
DOCUMENT NUMBER: 138:73142
TITLE: N-H Insertion reactions of rhodium carbenoids. Part 3. The development of a modified Bischler indole synthesis and a new protecting-group strategy for indoles
AUTHOR(S): Bashford, Katherine E.; Cooper, Anthony L.; Kane, Peter D.; Moody, Christopher J.; Muthusamy, Sendogagounder; Swann, Elizabeth
CORPORATE SOURCE: School of Chemistry, University of Exeter, Exeter, EX4 4QD, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1 (2002), (14), 1672-1687
CODEN: JCSPCE; ISSN: 1472-7781
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:73142

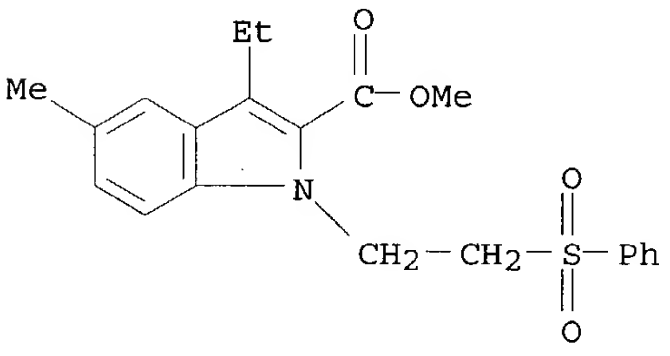
AB A modified version of the Bischler indole synthesis has been developed in which the key step is the N-H insertion reaction of rhodium carbene intermediates derived from α-diazo-β-keto esters with anilines. Thus N-methylanilines react with diazo keto esters in the presence of dirhodium(II) acetate to give (N-arylamino) ketones, cyclization of which using boron trifluoride-Et acetate or acidic ion exchange resin gives indoles. In order to extend this method to the synthesis of N-unsubstituted indoles, a new protecting group strategy for indoles was developed. In this, anilines are reacted with α,β-unsatd. esters or sulfones to give the conjugate addition products, cyclization of which gives N-protected indoles. The N-(2-ethoxycarbonylethyl)- and N-(2-sulfonylethyl)- protecting groups are readily removed from these indoles by treatment with base.

IT **413608-65-8P 413608-66-9P 413608-69-2P**
413608-72-7P 480996-95-0P 480996-96-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(a modified Bischler indole synthesis and a new protecting-group strategy for indoles)

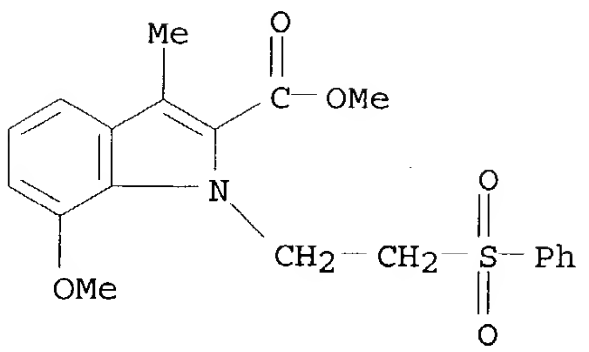
RN 413608-65-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



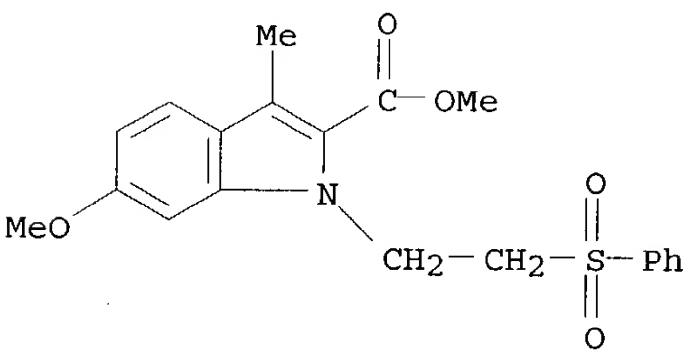
RN 413608-66-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-ethyl-5-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



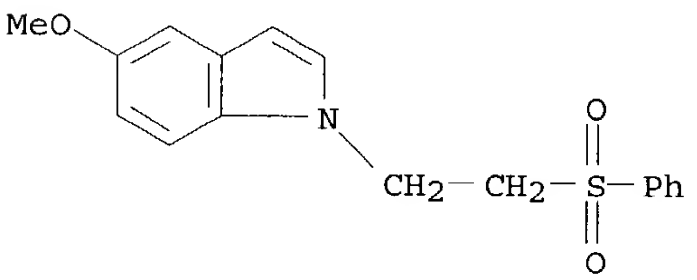
RN 413608-69-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



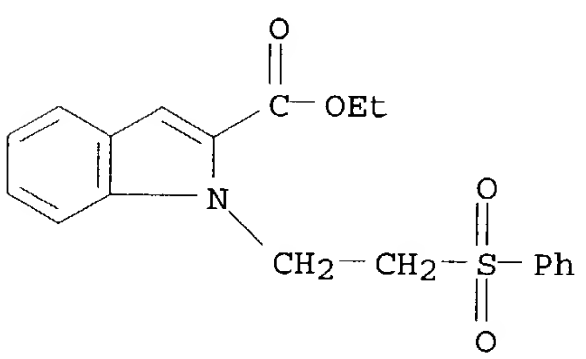
RN 413608-72-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 480996-95-0 CAPLUS
CN 1H-Indole, 5-methoxy-1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



RN 480996-96-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 1-[2-(phenylsulfonyl)ethyl]-, ethyl ester (9CI) (CA INDEX NAME)

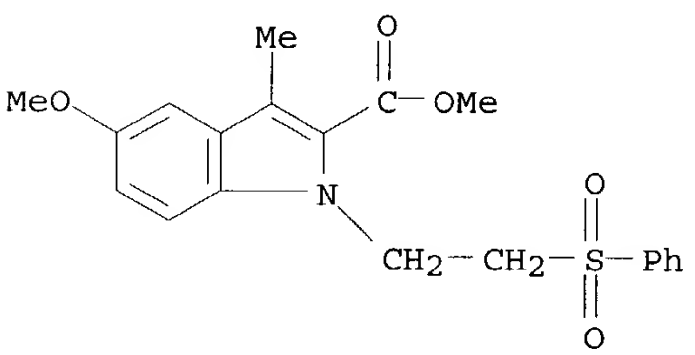


IT **413608-67-0P 413608-68-1P 413608-70-5P**
413608-71-6P
RL: SPN (Synthetic preparation); PREP (Preparation)

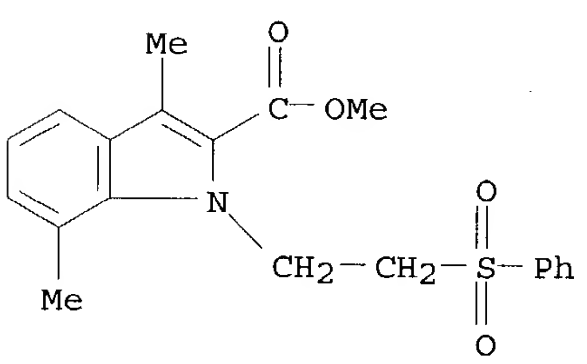
09677021

(a modified Bischler indole synthesis and a new protecting-group strategy for indoles)

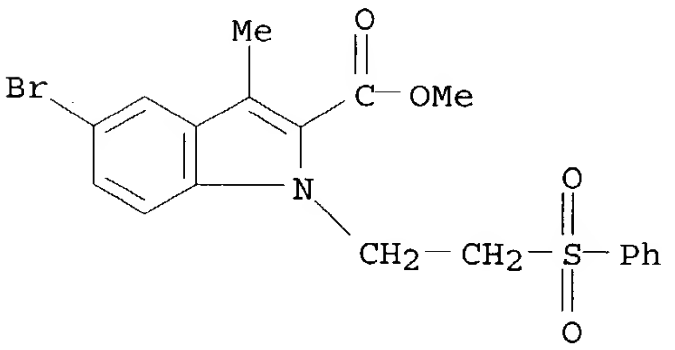
RN 413608-67-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



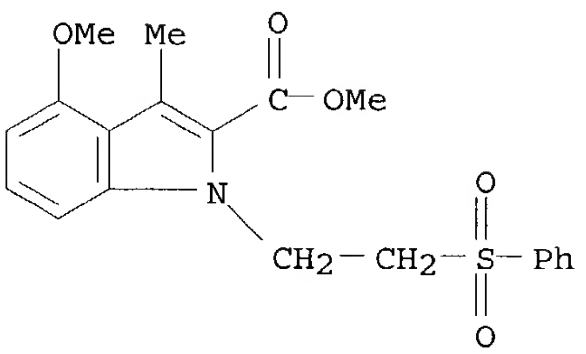
RN 413608-68-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-70-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-71-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:487554 CAPLUS
DOCUMENT NUMBER: 137:47115
TITLE: New process for the preparation of the anti-migraine drug, eletriptan
INVENTOR(S): Ogilvie, Ronald James
PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050063	A1	20020627	WO 2001-IB2338	20011206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003166704	A1	20030904	US 2001-54727	20011113
AU 2002018440	A5	20020701	AU 2002-18440	20011206
BR 2001016324	A	20031014	BR 2001-16324	20011206
EP 1373254	A1	20040102	EP 2001-271106	20011206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.:
GB 2000-31094 A 20001220
US 2001-260752P P 20010110
WO 2001-IB2338 W 20011206

OTHER SOURCE(S): CASREACT 137:47115
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The present invention is concerned with an improved process for the preparation of the anti-migraine drug, (R)-5-(2-benzenesulfonylethyl)-3-(N-

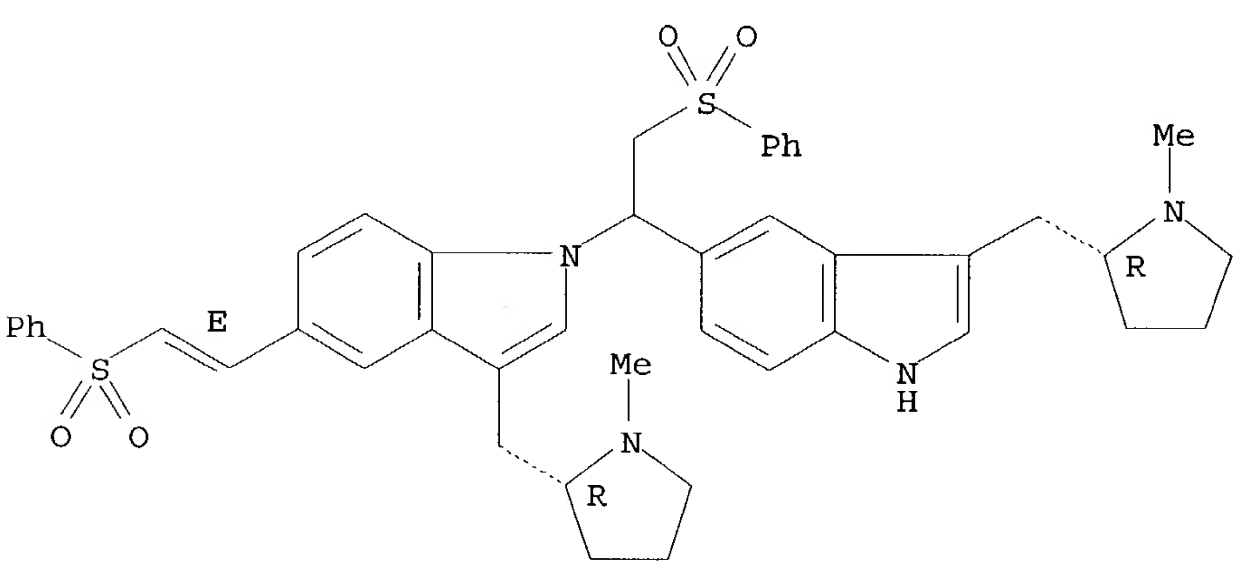
methylpyrrolidin-2-ylmethyl)-1H-indole (eletriptan) (I; R = H), available com. as the hydrobromide salt, and with an intermediate and dimer-free products (e.g. II) obtained thereby. This process comprises coupling of Ph vinyl sulfone with 5-bromoindole derivative (III) in the presence of a palladium catalyst, a triarylphosphine, and a base, catalytic hydrogenation of the resulting 5-(2-phenylsulfonylvinyl)indole intermediate (IV) using hydrogen or hydrogen source in the presence of a suitable catalyst such as palladium on carbon, Raney nickel, platinum, rhodium, or ruthenium, and hydrolysis of the resulting precursor, i.e. N-acetyleletriptan I (R = Ac).

IT **438226-83-6P**
RL: BYP (Byproduct); PREP (Preparation)
(preparation of anti-migraine drug, eletriptan, by catalytic hydrogenation of (R)-1-acetyl-5-(2-benzenesulfonylethenyl)-3-(N-methylpyrrolidin-2-ylmethyl)-1H-indole in presence of palladium on carbon followed by hydrolysis)

RN 438226-83-6 CAPLUS

CN 1H-Indole, 3-[[(2R)-1-methyl-2-pyrrolidinyl]methyl]-1-[1-[3-[[(2R)-1-methyl-2-pyrrolidinyl]methyl]-1H-indol-5-yl]-2-(phenylsulfonyl)ethyl]-5-[(1E)-2-(phenylsulfonyl)ethenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

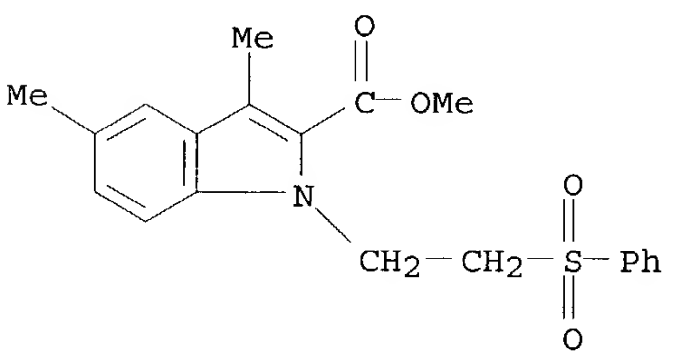
L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:905624 CAPLUS
DOCUMENT NUMBER: 136:325387
TITLE: A new protecting-group strategy for indoles
AUTHOR(S): Bashford, Katherine E.; Cooper, Anthony L.; Kane, Peter D.; Moody, Christopher J.
CORPORATE SOURCE: University of Exeter, School of Chemistry, Exeter, EX4 4QD, UK
SOURCE: Tetrahedron Letters (2001), Volume Date 2002, 43(1), 135-137
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:325387

AB The 2-phenylsulfonylethyl group is a useful alkyl protecting group for nitrogen during indole synthesis; it is readily removed from the indole

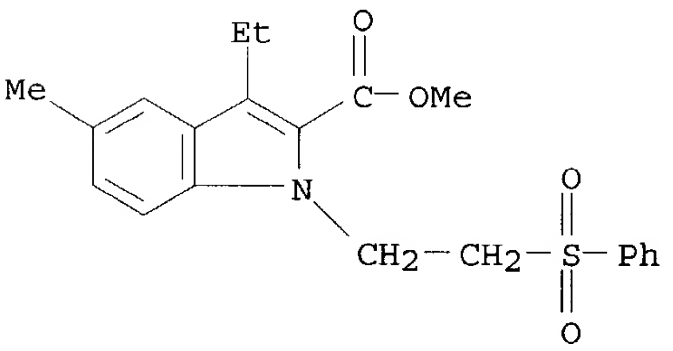
nitrogen under basic conditions.

IT **413608-65-8P 413608-66-9P 413608-69-2P 413608-72-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(the 2-phenylsulfonylethyl protective group for nitrogen in indole synthesis)

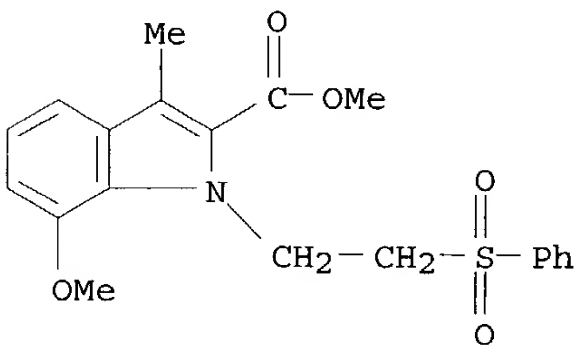
RN 413608-65-8 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,5-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



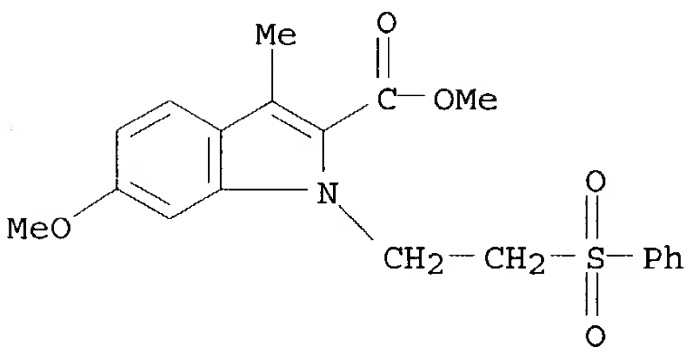
RN 413608-66-9 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3-ethyl-5-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-69-2 CAPLUS
CN 1H-Indole-2-carboxylic acid, 7-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

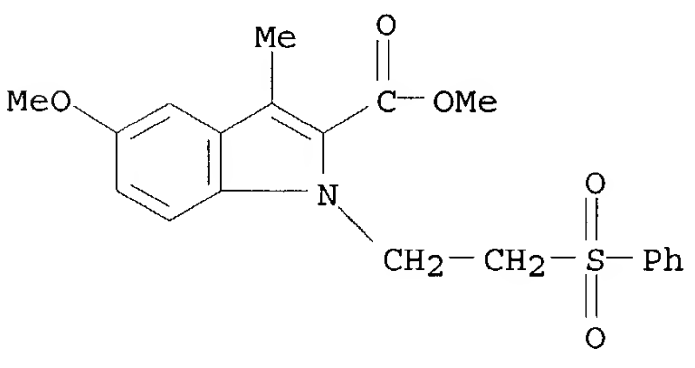


RN 413608-72-7 CAPLUS
CN 1H-Indole-2-carboxylic acid, 6-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

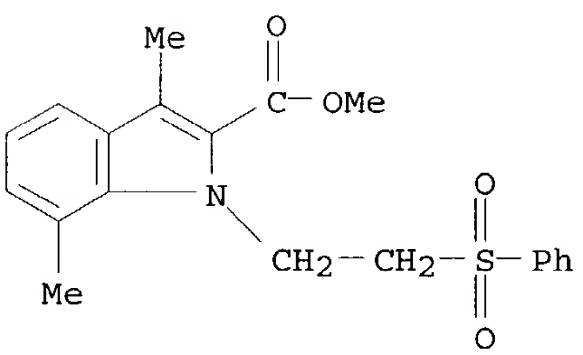


IT **413608-67-0P 413608-68-1P 413608-70-5P**
413608-71-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(the 2-phenylsulfonylethyl protective group for nitrogen in indole synthesis)

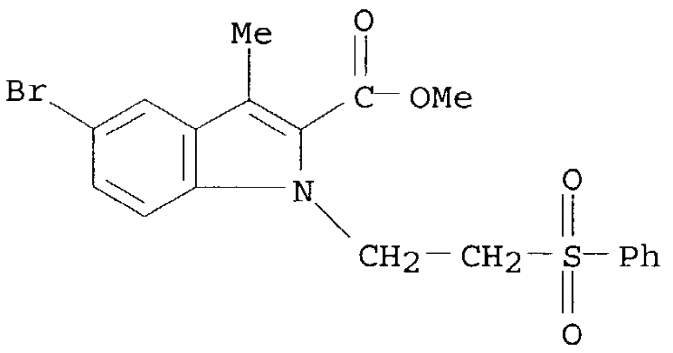
RN 413608-67-0 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



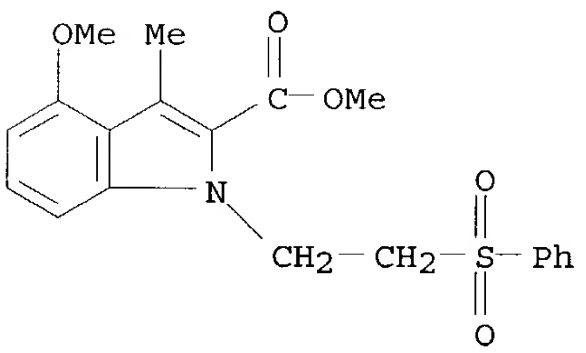
RN 413608-68-1 CAPLUS
CN 1H-Indole-2-carboxylic acid, 3,7-dimethyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-70-5 CAPLUS
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 413608-71-6 CAPLUS
CN 1H-Indole-2-carboxylic acid, 4-methoxy-3-methyl-1-[2-(phenylsulfonyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:583011 CAPLUS
DOCUMENT NUMBER: 115:183011
TITLE: Sulfenylation of some pyrroles and indoles
AUTHOR(S): Gilow, Helmuth M.; Brown, Christopher S.; Copeland, John N.; Kelly, Keith E.
CORPORATE SOURCE: Chem. Dep., Rhodes Coll., Memphis, TN, 38112, USA
SOURCE: Journal of Heterocyclic Chemistry (1991), 28(4), 1025-34
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English

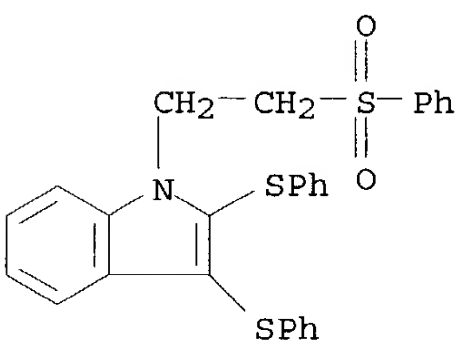
AB Methylsulfenylation of 1-substituted pyrroles and indoles was observed using 1-(methylthio)morpholine and an acid catalyst or with methylsulfenyl chloride and excess pyridine. 1-Substituents which are activating or weakly deactivating towards electrophilic substitution such as alkyl, 2-cyanoethyl, dimethylamino, trialkylsilyl, 2-chloroethyl and 2-phenylsulfonylethyl were used. The 2-chloroethyl and 2-phenylsulfonylethyl groups which can be removed with a strong base can be used to obtain 1H-methylthiopyrroles and indoles. 1-Phenylsulfonyl and 1-acetyl substituents are too strongly deactivating for these sulfenylations to be successful. Mono- and disubstituted pyrroles and monosubstituted indoles can be isolated from these reactions, however, because the methylthio group is activating towards electrophilic substitution the main advantage of these reactions is the synthesis of tri- and tetrasubstituted pyrroles and disubstituted indoles. 1-Methyl-2,3,4,5-tetrakis(methylthio)pyrrole and 1-methyl-2,3-bis(methylthio)indole are oxidized to the corresponding 3,4-disulfoxide and 3-sulfoxide and with excess oxidizing agent to the tetrasulfone and

disulfone, resp.

IT **136506-30-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deblocking of)

RN 136506-30-4 CAPLUS

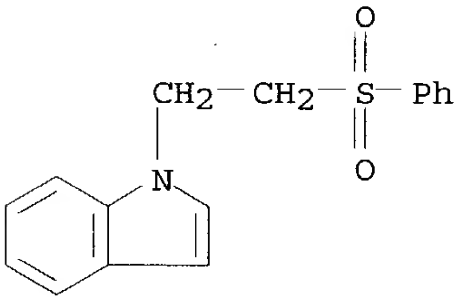
CN 1H-Indole, 1-[2-(phenylsulfonyl)ethyl]-2,3-bis(phenylthio)- (9CI) (CA INDEX NAME)



IT **136506-29-1P**, 1-(2-Phenylsulfonylethyl)indole
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and sulfenylation of)

RN 136506-29-1 CAPLUS

CN 1H-Indole, 1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1982:199522 CAPLUS

DOCUMENT NUMBER: 96:199522

TITLE: Acylindole derivatives

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

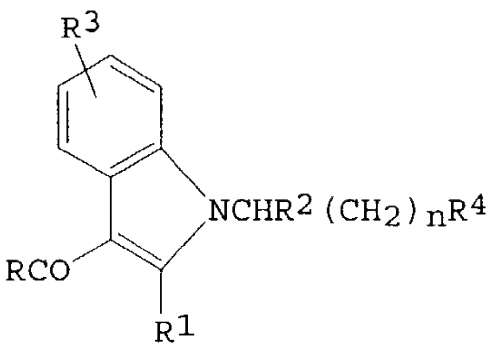
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57004971	A2	19820111	JP 1980-78305	19800612

PRIORITY APPLN. INFO.: JP 1980-78305 19800612

GI



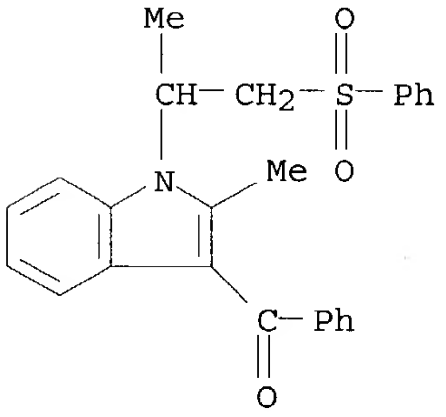
I

AB Twenty-one acylindole derivs. I [R = (un)substituted Ph; R1 = H, alkyl; R2 = alkyl; R3 = H, OH, halo, alkyl, alkoxy; R4 = S(O)m R5; F5 = H, alkyl, (un)substituted Ph, heterocycle; n = 1-10; m = 0-2] were prepared I had platelet aggregation inhibitory activity (data given). Thus, a mixture of 586 mg I (R = Ph, R1 = R2 = Me, R3 = H, R4 = OH n = 1), 732 mg EtSSEt, and 1.5 mL Bu3P in pyridine was stirred 16 h at room temperature and 8 h at 50° to give 77% I (R = Ph, R1 = R2 = Me, R3 = H, R4 = SEt, n = 1).

IT **77993-46-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and platelet aggregation inhibitor activity of)

RN 77993-46-5 CAPLUS

CN Methanone, [2-methyl-1-[1-methyl-2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:424812 CAPLUS
DOCUMENT NUMBER: 95:24812
TITLE: Acylated indole derivatives
INVENTOR(S): Oba, Takeo; Tanaka, Toshio; Okamura, Noriaki; Watanabe, Kenzo; Bannai, Kiyoshi; Ohtsu, Akira; Naruchi, Tatsuyuki; Kurozumi, Seizi; Toru, Takeshi
PATENT ASSIGNEE(S): Teijin Ltd., Japan
SOURCE: Eur. Pat. Appl., 145 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 22634	A1	19810121	EP 1980-302180	19800627

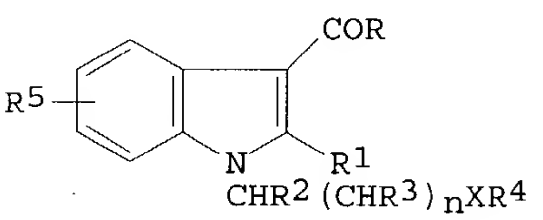
EP 22634	B1	19830406		
R: DE, FR, GB, IT, SE				
JP 56007762	A2	19810127	JP 1979-80802	19790628
JP 62033225	B4	19870720		
JP 56039068	A2	19810414	JP 1979-112755	19790905
JP 56051452	A2	19810509	JP 1979-126725	19791003
JP 62041499	B4	19870903		
JP 56063960	A2	19810530	JP 1979-138644	19791029
JP 62041500	B4	19870903		
JP 56108765	A2	19810828	JP 1980-8354	19800129
JP 62041590	B4	19870903		

PRIORITY APPLN. INFO.:

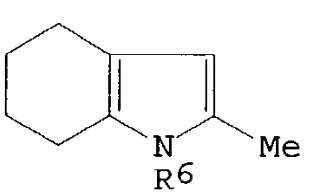
JP 1979-80802	19790628
JP 1979-112755	19790905
JP 1979-126725	19791003
JP 1979-138644	19791029
JP 1980-8354	19800129

OTHER SOURCE(S): CASREACT 95:24812

GI



I



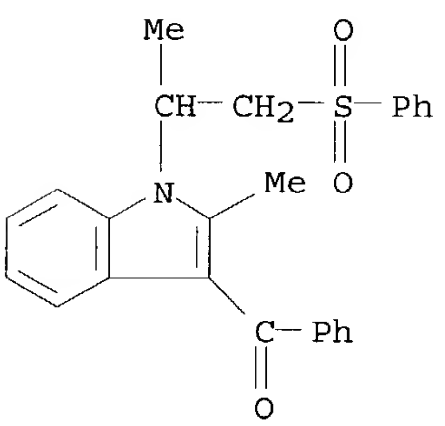
II

AB Indoles I (R = optionally substituted Ph, thienyl; R1, R3 = H, alkyl; R2 = alkyl; R4 = H, alkyl, acyl, optionally substituted Ph, heterocyclic; R5 = H, OH, halogen, alkyl, alkoxy; X = bond, O, S, SO, SO2; n = 0-10) were prepared Thus 2-acetonylcyclohexanone was condensed with H2NCHMeCO2Et.HCl to give II (R6 = CHMeCO2Et) which was reduced to the alc. and esterified to II (R6 = CHMeOAc). The latter compound was benzoylated with Bz2O and HI, followed by aromatization, to give I (R = Ph, R1 = R2 = Me, R4 = Ac, R5 = H, X = O, n = 0)(III). III had a blood platelet aggregation-inhibiting ED50 of 0.075 μ/mL.

IT **77993-46-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 77993-46-5 CAPLUS

CN Methanone, [2-methyl-1-[1-methyl-2-(phenylsulfonyl)ethyl]-1H-indol-3-yl]phenyl- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	34.61	346.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.85	-4.85

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